

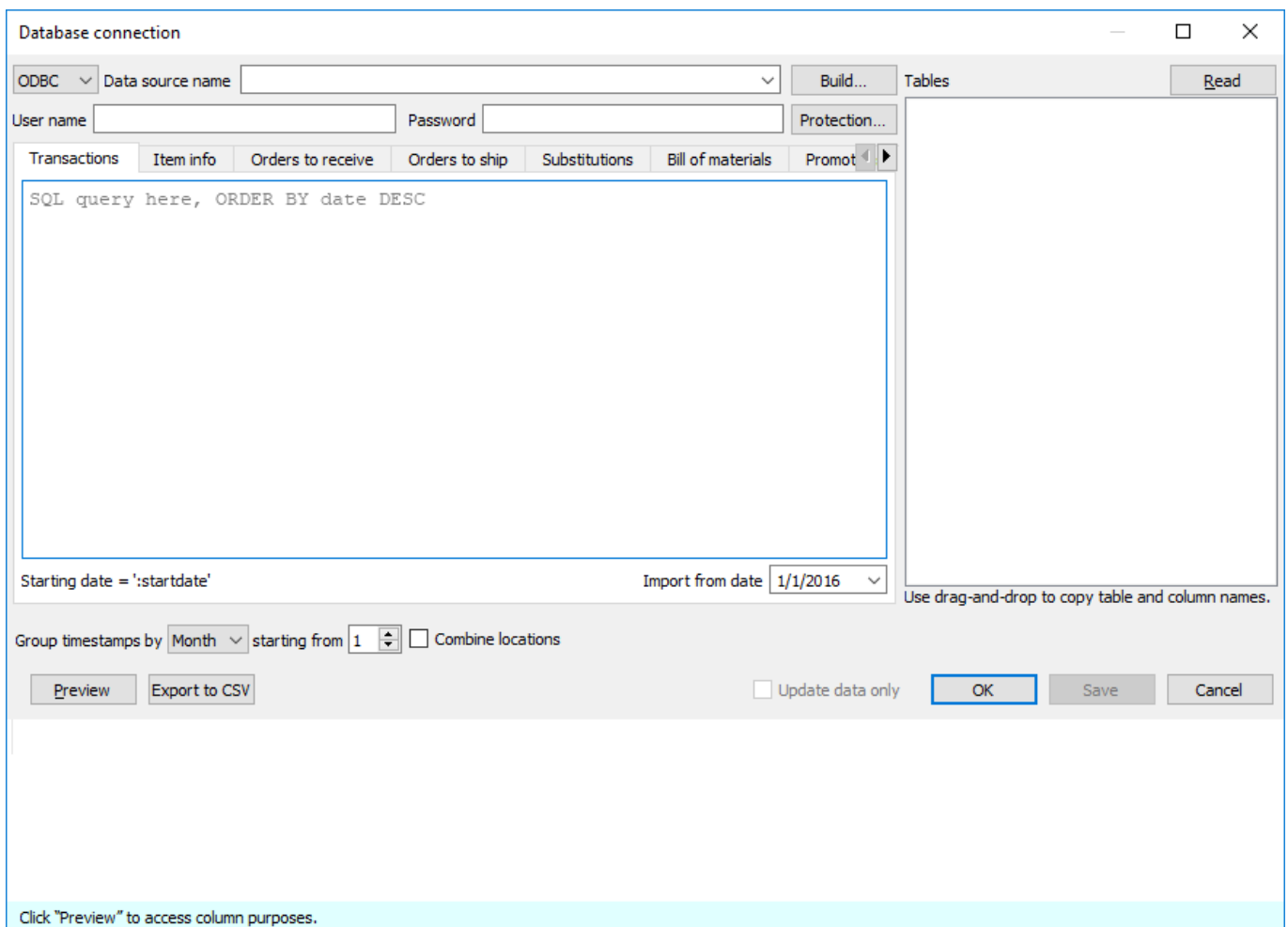
4.4.2. Importing data

Database connection uses SQL queries to import your data into Streamline from the database. Each of them is specially designed to import a particular [piece of data](#). In this article, we explain:

- [data types which each query can import](#);
- [how to configure](#) the **Database connection** to import the data using SQL-queries; and
- [how to set up](#) Streamline to automatically synchronize the project using your queries as you click the **Update data** button.

Importing queries

Database connection dialog has several tabs, such as **Transactions**, **Item info**, and so on (see figure below). Each tab is designed to import particular data by executing the query inserted into the main field of the tab.



Database connection

ODBC Data source name [] Build... Tables Read

User name [] Password [] Protection...

Transactions Item info Orders to receive Orders to ship Substitutions Bill of materials Promot

SQL query here, ORDER BY date DESC

Starting date = ':startdate' Import from date 1/1/2016 Use drag-and-drop to copy table and column names.

Group timestamps by Month starting from 1 Combine locations

Preview Export to CSV Update data only OK Save Cancel

Click "Preview" to access column purposes.

Strictly speaking, to start using Streamline, you [can import](#) your data (via deprecated fields) using the query for the **Transactions** tab only. However, **we strongly recommend** you to go with a typical workflow when at least four queries are used. These are:

- *Transactions query*

- *Item info query*
- *Orders-to-receive query*
- *Orders-to-ship query*

The other tabs (queries) are optional and are used in special cases that we describe in the table below. This table also matches SQL queries with the [data types](#) which they should be used to import.

Query(tab)	Demand Planning	Inventory Planning
Transactions	Transactional data: <ul style="list-style-type: none"> • Date • Item code • Quantity sold • Location • Channel • Sales price/unit or Transaction revenue • Transaction profit 	Transactional data: <ul style="list-style-type: none"> • On hand (remaining) or On hand change
	<i>Deprecated data:</i> item description; item category; location category; qty to receive; delivery date; lead time; lead time variance; order cycle; order rounding; min lot; max lot; supplier code; supplier's currency; shelf life, periods; purchase price/unit; inventory value/unit; item's info field	

Query(tab)	Demand Planning	Inventory Planning
<i>Item info</i>	<ul style="list-style-type: none"> • Item code • Location • Item categories • Location categories • Item description • Location description • Info field • Sales price/unit • Model type • Material procurement 	<ul style="list-style-type: none"> • Last on hand • Order cycle • Lead time • Lead time variance • DC name • Transfer region • Service level • # of safety stock periods • Min lot, Max lot, Rounding • Supplier min. qty/weight/volume/cost • Weight/unit, Volume/unit • Inventory value/unit • Purchase price/unit • Supplier code, Supplier's currency, Supplier's item code • Shelf life, periods, Shelf life, days • Display qty
	<i>Deprecated data: qty to receive, delivery date, qty to ship</i>	
<i>Orders to receive</i>		Orders-to-receive information
<i>Orders to ship</i>		Orders-to-ship information
<i>Bill of materials</i>		Bill of materials
<i>Promotions</i>		Promotions information
<i>Substitutions</i>		Substitutions information
<i>Batches</i>		Batches information

To plan inventory in Streamline, you should provide data from both columns (**Demand Planning** and **Inventory Planning**) of the table above.

The table indicates *deprecated data* that should not be imported normally by those queries. It is **strongly recommended** to import those data using queries that are specially designed for them.

Last on hand can be imported using the **Transactions** query too. This can be done only in the case when you are providing **On hand change** data in the [Transactional data](#). In this situation, the last on hand is imported via the **On hand** column. Despite this capability, we **strongly recommend** that you import the last on hand using the *Item info query*.

If your *Orders-to-receive information* has only one transaction per item (or item-location), you can

optionally use columns **Qty to receive** and **Delivery date** in the *Transactions* or *Items info* queries, to import it into Streamline. However, this situation is fairly specific and these columns are left for compatibility and are highly deprecated. Generally, **we strongly encourage you to use the [Orders-to-receive query](#)** to import your *Orders-to-receive information*.

Special cases

This section describes the capabilities of the connector to import data in very specific situations that happen rarely. We **strongly recommend** that you import the data according to the table above.

Item info query is absent

If the *Item info query* is absent, you can import all necessary information (see [Deprecated data](#)) using the *Transactions query*.

Transactions query includes the location information while the Item info query doesn't

In this special case, you can import all the fields except for the columns that represent location state (**Last on hand**, **To ship qty**, **Qty to receive**, **Delivery date**) using the *Item Info* query. The location state information should be returned via other queries, for example: **Last on hand** and **Qty to ship** from the *Transactions query* and **Qty to receive**, **Delivery date** using the *Orders-to-receive query*.

In these special cases, Streamline does not know the stock-list. Consequently, if a project is updated using the **Update data** button, Streamline leaves the stock-list as it was before the update, no [planning items](#) are removed. Streamline removes planning items that did not appear in the updated data from the project in all the other data connections, except for the **Transactional spreadsheet connection**.

Import options

The importer can automatically aggregate your data in periods (days, weeks, months) using the **Group by** option. Thus, if you want to see the forecasts, replenishment plans, and other reports in months, group the data by months.

The **Starting from** option depends on the **Group by** parameter and is available only if you group the data by month or week. If you group timestamps by month, the **Starting from** parameter sets the ordinal number of the day in the month you want to start the import from. If the **Group by** option is switched to '**week**', this allows starting the import from the specified day of a week.

Importing your data

To import the data, follow these steps:

1. Go to the menu **File > New > Database connection**.
2. [Establish the connection](#) to your ODBC data source.
3. Go to the specific query tab, for example, to the **Transactions** tab.
4. Enter your SQL query in the main field of the tab.
5. Click the **Preview** button, to execute the query.
6. Set the meaning of the columns returned by the query.

Preview			
	Date	Quantity	Item code
	Date		
1			1100
2			1100
3			1100
4			1100
5			1110
6			1120
7			1150

Date
Quantity sold
Item code
Item description
Item category
Location
Location category
Sales price/unit
Sales price/order
On hand
On hand change
In transition
Delivery date
Lead time
Lead time variance
Order cycle
Order rounding
Min lot
Max lot
Shelf life
Item purchase price
Inventory value/unit
Item's info field

The table preview at the bottom of the dialog has a special row with a drop-down list in each column for the returned data. The list displays the [data types](#) that Streamline understands and can import in the corresponding query tab. Thus, to import your data correctly, match the meaning of your data column to the most appropriate option in the drop-down list.

7. Repeat steps 3-6 for all your queries.
8. Set the [import options](#) and click **OK**.

In the next sections, we will describe the specifics of each query.

Transactions

This query is used to import the [Transactional data](#). The list of the transactions **must be in descending order**.

Database connection

ODBC Data source name Driver={SQL Server};Server=server;Database=NAVDEMO;

User name sa Password

Build... Protection...

Transactions Item info In transition Pending sales orders Substitutions Bill of materials Inven

```

SELECT
  [Posting Date] AS [Date],
  Quantity AS [Stock change],
  IIF (e.[Entry Type] = 1, -e.Quantity, 0) AS [Quantity],
  i.[No_] AS [Item code]
FROM dbo.[CRONUS International Ltd_$Item Ledger Entry] AS e
INNER JOIN dbo.[CRONUS International Ltd_$Item] AS i
  ON i.[No_] = e.[Item No_]
WHERE i.[No_] IN
(
  SELECT i.[No_]
  FROM dbo.[CRONUS International Ltd_$Item] AS i
  WHERE Blocked = 0
)

```

Starting date = ' :startdate' Import from date 1/1/2000

Group timestamps by Month starting from 1 Unite locations into a single inventory

Preview Export to CSV Update data only OK Save Cancel

	Date	Stock change	Quantity	Item code
	Date	On hand change	Quantity sold	Item code
1	9/11/2016	-16	0	1100
2	9/11/2016	-16	0	1200
3	9/11/2016	-16	0	1300
4	9/11/2016	-16	0	1400
5	9/11/2016	-16	0	1450
6	9/11/2016	-16	0	1500

If you are going to [plan material requirements](#), *Transactions query* should also return transactions affecting items **On hand** due to assembly builds.

Item info

The purpose of this query is to import current on-hand for each planning item. It is also used to import additional information about planning items such as item categories, location categories, item info fields, constraints, inventory KPIs and [others](#).

Database connection

ODBC Data source name: Driver={SQL Server};Server=Andrey-PC;Database=NAVDEMO;

User name: Password:

Sales orders | Item info | In transition | Substitutions | Export min/max strategy | Export periodic order

```

SOH.[Item Code] as [Item Code],
SOH.[Description] as [Description],
SOH.[Item Category] as [Item Category],
SOH.[Stock On Hand] as [Stock On Hand],
SOH.[Vendor Code] as [Vendor Code],
CASE
    WHEN BO.[Backorder] IS NULL
    THEN 0
    ELSE BO.[Backorder]
END as [On Open SO]
FROM
(
    SELECT
        [Item Code],
        [Description]
    
```

Group timestamps by: Month starting from 1

Preview Update data only OK Save Cancel

	Item Code	Description	Item Category	Stock On Hand	Vendor Code	On Open SO
	Item code	Item description	Item category	Last on hand	Supplier code	Pending sales o...
1	1100	Front Wheel	AR Day Propert...	152	20000	5
2	1900-S	PARIS Guest Ch...	AR Day Propert...	299	20000	0
3	1920-S	ANTWERP Con...	AR Day Propert...	96	20000	4
4	1924-W	CHAMONIX Ba...	AR Day Propert...	26	20000	0
5	1936-S	BERLIN Guest C...	AR Day Propert...	136	20000	23
6	1960-S	ROME Guest C...	AR Day Propert...	177	20000	0
7	1964-S	TOKYO Guest C...	AR Day Propert...	113	20000	0

This query is used as a filter for imported planning items, i.e. only those planning items that are returned by this query will be imported, regardless of the fact that any other planning items may be returned via the other queries.

Records returned by this query must be unique by the planning item identifier. If locations are used, the identifier is represented by **(Item code, Location)** pair, otherwise, it is **Item code**.

Pay special attention to importing the following replenishment parameters:

- **Lead time**
- **Order cycle**
- **Min lot**
- **Max lot**
- **Rounding**
- **Lead time variance**

These characteristics depend on the echelon the planning item resides at. If a planning item is sourced from a DC, these parameters define the replenishment process from that DC. In this case:

- **Lead time** - the average time interval to deliver an item from DC to the location at the lower echelon.
- **Lead time variance** - the variance of the Lead time defined above.
- **Order cycle** - how often you replenish from DC.
- **Min lot, Max lot, and Rounding** - the constraints that are put on an item when you order it from DC.

If a planning item is sourced from a supplier:

- **Lead time** – the average time interval to deliver an item by your supplier.
- **Lead time variance** – the variance of the supplier Lead time.
- **Order cycle** – how often do you send purchase orders to the supplier.
- **Min lot, Max lot, and Rounding** – the constraints that are put on an item when you order it from the supplier.

If your supply chain is described by a two-echelon model and there is a shelf life limitation on an item at the lower echelon, you should also provide shelf life for the DC that supplies that item. DC's shelf life must then satisfy the condition:

DC shelf life \geq Lead time + Shelf life,

where:

- **Lead time** – the time to deliver the item from the DC to the location at the lower echelon.
- **Shelf life** – the shelf life limitation at the lower echelon.

If the Supplier code is not given, Streamline attaches those items to an empty supplier code.

The **Model type** represents the model used to generate forecasts for the selected planning item. The models are available only for the tree leaves in the Tree view.

Along with the automated calculation of the Model type, Streamline allows you to set model type by importing it from your data source. To do this, the Model type column in the Item info table must contain only these specific values:

- **Default**
- **Constant**
- **Linear**
- **Seasonal**
- **Intermittent**
- **Preorder**
- **Inactive**
- **Auto-preorder**
- **Auto-termination**

The **Model type** in the Panel under the **Demand tab** will inherit the imported Model type as well as the corresponding column in the **Inventory tab**.

When importing **Material Procurement Status** the '**Purchase BOM Items**' column in the **Item Info** table is responsible for this, and it is best to import it as a **1 or 0** value. For example, Streamline sets the 'Purchase' for production items if a cell for the particular item in this column has the value '1'.

Order Cycle parameter in days The column name should be specified in days or periods if you import in the Item Info **Order Cycle** parameter. The values are imported only to the Order Cycle column in the Inventory.

Depending on whether the '**Order Cycle, days**' or '**Order Cycle, periods**' was imported, the order cycle will continue to work with this setting. If the specified column was imported, it is **not possible** to change it from **days to periods** and vice versa, unless this specification was not imported. Therefore, if it was not, a default Order Cycle can be set in the **Settings**, where the user can choose to display it in days or periods, or lead times.

Importing categories

Channel Info Tab

The Channel Info Tab is used for managing channels in the project.

This Tab is optional and is used only if you need to apply any filters to existing channels from your data source, otherwise, it isn't needed.

Channels info Tab gives you the ability to import Channels even if you don't have any transactions made through the channels yet.

The data type that is required is shown in the table below:

Data name	Description	Datatype
Item code	The item identifier, also known as SKU.	String
Locations	(Optional) A code of the location where the Item code is sold. It is used to forecast consumption of each Item code in each location.	
Channels	It represents a channel by which an item is sold. For example, e-commerce, direct sales, distributors, or a single customer.	

Channels Tab is supposed to have all the same Item-Location pairs as you have in the Item Info Tab plus Channels that you want to see in the project. There should be no extra Item-Location pairs that are not presented in the Item Info Tab. On the other hand, the Item - Location pairs that aren't mentioned in the Channels Tab will have No Channel node in the Tree.

Once the channels are filtered out through the Channels Tab, relevant transactions will be automatically filtered away as well, which will decrease historical sales.

To Ship Tab doesn't automatically apply the filters from Channels Info Tab, and can even import extra channels through open Sales Orders despite them not being in the Channels Info Tab, so it's important to apply the same rules separately to the To Ship Tab.

Orders to Receive

This query is used to retrieve the [information](#) about items to be received.

Database connection

ODBC Data source name Driver={SQL Server};Server=Andrey-PC;Database=NAVDEMO;

User name Password

Sales orders Item info In transition Substitutions Export min/max strategy Export periodic order

```

SELECT
    i.No_ AS [Item Code],
    1.[Expected Receipt Date] AS [Arrival Date],
    1.Quantity
FROM dbo.[CRONUS International Ltd_$Purchase Line] l
INNER JOIN dbo.[CRONUS International Ltd_$Purchase Header] h
    ON h.[No_] = l.[Document No_]
INNER JOIN dbo.[CRONUS International Ltd_$Item] i
    ON l.No_ = i.No_
WHERE 1.Quantity > 0
    AND 1.[Quantity Received] = 0
    AND 1.Type = 2
    AND h.[Document Type] = 1
    
```

Group timestamps by Month starting from 1

Preview Update data only OK Save Cancel

	Item Code	Arrival Date	Quantity
	Item code	Delivery date	Qty in transition
1	LS-MAN-10	1/26/2016 12:00...	100
2	LS-75	1/26/2016 12:00...	10
3	LS-120	1/29/2016 12:00...	10
4	LS-10PC	1/29/2016 12:00...	22
5	LS-150	1/31/2016 12:00...	8
6	LS-10PC	2/1/2016 12:00 ...	40
7	LS-150	2/1/2016 12:00 ...	20

Tables Read

- Ltd_\$Inventory Profile Track Buffer ^
- Ltd_\$Inventory Report Entry
- Ltd_\$Inventory Report Header
- Ltd_\$Inventory Setup
- Ltd_\$Invoice Post_ Buffer
- Ltd_\$Invt_Post to G_L Test Buffer
- Ltd_\$Invt_Posting Buffer
- Ltd_\$Issued Fin_Charge Memo He
- Ltd_\$Issued Fin_Charge Memo Lir
- Ltd_\$Issued Reminder Header
- Ltd_\$Issued Reminder Line
- Ltd_\$Item
- Ltd_\$Item Amount
- Ltd_\$Item Analysis View
- Ltd_\$Item Analysis View Burda Ent

Use drag-and-drop to copy table and column names.

Orders to Ship

This query is used to pull the [data](#) about items that are on open sales orders or backorders.

Database connection

ODBC Data source name: Driver={SQL Server};Server=server;Database=SAMPL; Build... Tables Read

User name: sa Password: ●●●●●●●●

Sales orders Item info In transition Pending sales orders Substitutions Export min/max strategy Exp...

```
SELECT
  ITEMCD AS Item,
  LOCNCD AS Location,
  QTYREMAIN AS Qty,
  ReqShipDate
FROM PendingSalesOrders
```

Group timestamps by: Month starting from 1

Preview Update data only OK Save Cancel

	Item	Location	Qty	ReqShipDate
	Item code	Location	Qty to ship	Date
1	ANSW-PAN-14...	WAREHOUSE	3	4/21/2017 12:00...
2	100XLG ...	WAREHOUSE	2	4/12/2017 12:00...
3	256 SDRAM ...	WAREHOUSE	1	4/12/2017 12:00...
4	333PROC ...	WAREHOUSE	2	4/12/2017 12:00...
5	ACCS-CRD-25B...	WAREHOUSE	2	4/12/2017 12:00...
6	ACCS-HDS-1EA...	WAREHOUSE	2	4/12/2017 12:00...
7	BELL100 ...	WAREHOUSE	2	4/12/2017 12:00...

Substitutions

Streamline allows making substitutions when imports the data. That can be used when you need to disassemble kit items and have the forecasts and procurement plans for the components only. To understand a kit's content, Streamline implements substitution rules. The rule syntax looks like:

<Kitted item code><Qty in kit><Component code>.

Your SQL query should return a set of such rules. As you can see, the columns should be ordered according to the rule syntax.

Database connection

ODBC Data source name Driver={SQL Server};Server=server;Database=SAMPL; Build... Tables Read

User name sa Password Protection...

Transactions Item info In transition Pending sales orders Substitutions Bill of materials Inven

```
SELECT ITEMNMBR AS 'Kitted Item',
CASE
  WHEN Scrap_Percentage = 0 THEN Design_Qty
  ELSE ( Scrap_Percentage / 100 + 100 ) * Design_Qty / 100
END Qty,
CMPTITNM AS Component
FROM BM00111
```

Column order: 1) Source item code. 2) Multiplier. 3) Target item code. 4) Target description (optional).

Group timestamps by Month starting from 1 Unite locations into a single inventory

Preview Export to CSV Update data only OK Save Cancel

	Kitted Item	Qty	Component
1	FAXX-FG3-0001...	1	HDWR-FGC-00...
2	FAXX-FG3-0001...	1	PHAN-FAX-000...
3	FAXX-FG3-0001...	61.71	WIRE-SCD-0001...
4	FAXX-FG3-0001...	8	INST-TWO-000...
5	FAXX-FG3-0001...	1	HDWR-PRO-48...
6	FAXX-FG3-0001...	1	HDWR-PNL-00...
7	FAXX-FG3-0001...	1	HDWR-FGC-00...

Bill of Materials

This query is used to import [bill of materials data](#).

Database connection

ODBC Data source name Driver={SQL Server};Server=PC;Database=SAMPL; Build... Tables Read

User name sa Password ●●●●●●●●

Sales orders Item info In transition Pending sales orders Substitutions Bill of materials Export min/ma: ▶

```
SELECT CMPITNM AS Component,
CASE
  WHEN Scrap_Percentage = 0 THEN Design_Qty
  ELSE ( Scrap_Percentage / 100 + 100 ) * Design_Qty / 100
END Qty,
ITEMNMBR AS Item
FROM BM00111
```

Group timestamps by Month starting from 1

Preview Update data only OK Save Cancel

	Component	Qty	Item
	Material's code	Qty	Finished good's code
1	HDWR-FGC-0001	1	FAXX-FG3-0001
2	PHAN-FAX-0001	1	FAXX-FG3-0001
3	WIRE-SCD-0001	61.71	FAXX-FG3-0001
4	INST-TWO-0001	8	FAXX-FG3-0001
5	HDWR-PRO-4862	1	FAXX-FG3-0001
6	HDWR-PNL-0001	1	FAXX-FG3-0001
7	HDWR-FGC-0001	1	FAXX-FG3-0001
8	PHAN-FAX-0001	1	FAXX-FG3-0001

Promotions

This query is used to import information enabling Streamline to automatically adjust the forecasting models according to the given [promotional discounts](#). The figure below shows an example of the query and the result it returns from a database.

The screenshot shows a 'Database connection' window with the following details:

- Data source name: Driver={SQL Server};Server=Andrey-PC;Database=NAVDEMO;
- User name: sa
- Password: [Redacted]
- Query: `Select * From Promotions`
- Tables list: \$ndo\$catchesync, \$ndo\$dbproperty, \$ndo\$tenantproperty, Access Control, Active Session, Chart, Client Add-in, Company, CRONUS International Ltd_\$Acc_Sched_Cel, CRONUS International Ltd_\$Acc_Sched_Ch, CRONUS International Ltd_\$Acc_Sched_KPI, CRONUS International Ltd_\$Acc_Sched_KPI, CRONUS International Ltd_\$Acc_Schedule L, CRONUS International Ltd_\$Acc_Schedule M, CRONUS International Ltd_\$Account Schedt, CRONUS International Ltd_\$Accounting Peri, CRONUS International Ltd_\$Action Message
- Group timestamps by: Month starting from 1
- Buttons: Preview, Export to CSV, Update data only, OK, Save, Cancel

	Item code	Start date	End date	Discount
1	1000513	12/2/2018	12/8/2018	0.3
2	456325	12/2/2018	12/8/2018	0.3
3	10510DH	12/2/2018	12/8/2018	0.3
4	456325	12/9/2018	12/15/2018	0.4
5	1000513	12/9/2018	12/15/2018	0.4
6	10510DH	12/9/2018	12/15/2018	0.4
7	456325	12/16/2018	12/22/2018	0.5
8	1000513	12/16/2018	12/22/2018	0.5
9	10510DH	12/16/2018	12/22/2018	0.5
10	456325	1/20/2019	1/26/2019	0.42
11	456325	1/27/2019	2/2/2019	0.3
12	456325	2/3/2019	2/9/2019	0.55

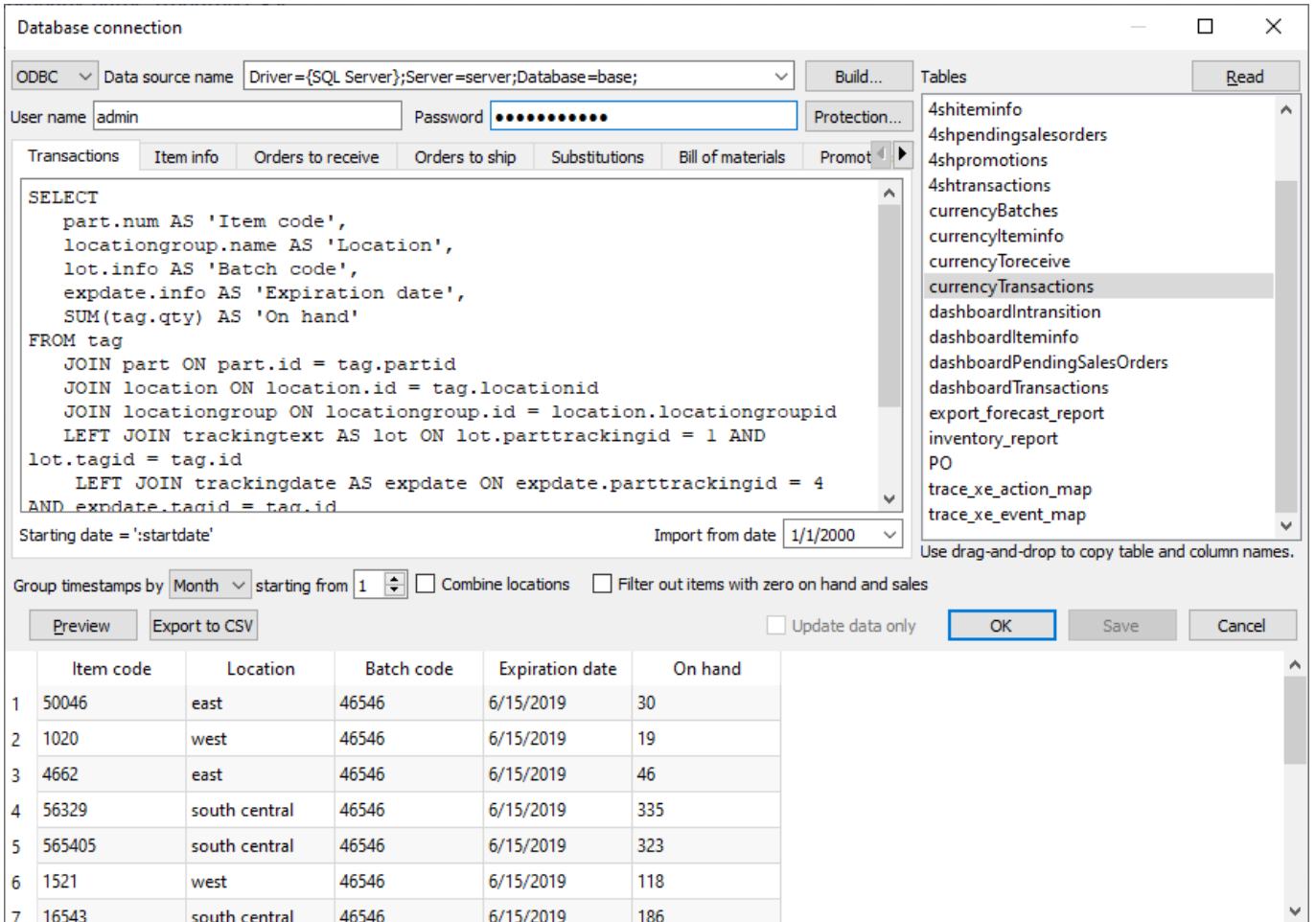
Discounts history (rows 1-9)

Future discounts (rows 10-12)

As you see from the figure, besides future promotions, you must provide the promotions' history for the corresponding products.

Batches

This query imports [information about batches](#) (see figure below).



Inventory parameters

The inventory parameters tab allows importing future Max lot values by future periods. This feature is available in the database and transactional spreadsheet connectors.

The Max lot value in the Inventory Parameters tab must only be filled out if indicating the maximum lot value for future time periods is required. It is not mandatory to complete otherwise.

The required data for this feature is the following:

Data name	Description	Data type
Date	The date that specifies for what period the max lot parameter is applied. If you have a monthly project, these parameters can be imported per month only.	String
Item code	The item identifier, also known as an SKU.	
Location	A code or a name of the location where the Item code is sold.	
Max lot	The value of your future max lot limitation.	

By applying the maximum lot for future periods, the quantity in orders specified in the ordering plan will be subject to a constraint, ensuring that they do not exceed the specified maximum quantity for

the relevant periods. And once the specified day for the new maximum lot arrives, it will become the current constraint, effectively overriding any previous constraints that were in place.

It can be imported through the Inventory parameters tab in the database connection.

Database connection

ODBC Data source name Driver={SQL Server};Server=WORK-PC;Database=base; Build...
User name Password Protection...

Orders to ship Substitutions Bill of materials Promotions Batch expiration **Inventory parameters**

```
SELECT * FROM inventory_parameters
```

Tables: 4shbatches, 4shBOM, 4shintransition, 4shiteminfo, 4shpendingsalesorders, 4shpromotions, 4shtransactions, currencyBatches, currencyIteminfo
Use drag-and-drop to copy table and column names.

Group timestamps by Month starting from 1 Combine locations Filter out items with zero on hand and sales

Preview Export to CSV Import Save & close Cancel

	Date	Item code	Location	Max lot
	Date	Item code	Location	Max lot
1	1/1/2020	056329 PU PW	WH-001	6000
2	2/1/2020	056329 PU PW	WH-001	6000
3	3/1/2020	056329 PU PW	WH-001	6000
4	4/1/2020	056329 PU PW	WH-001	6000
5	5/1/2020	056329 PU PW	WH-001	6000

Updating data (importing only last changes)

At first, you import all the sales orders data. It's not necessary to import all the data again in future imports. It's reasonable to import only the last changes. To make Streamline do this automatically the **:startdate** parameter should be used in the **Transactions** query.

An example of the query is shown below:

```
SELECT [Posting DATE] AS [DATE],  
       IIF (e.[Entry TYPE] = 1, -e.Quantity, 0) AS [Quantity],  
       i.[No_] AS [Item code]  
FROM dbo.[CRONUS International Ltd_$Item Ledger Entry] AS e  
INNER JOIN dbo.[CRONUS International Ltd_$Item] AS i  
ON i.[No_] = e.[Item No_]  
WHERE i.[No_] IN  
(  
  SELECT i.[No_] FROM dbo.[CRONUS International Ltd_$Item] AS i  
  WHERE Blocked = 0  
) AND [Posting DATE] >= ':startdate';
```


To import all the sales history using this query, you should specify the **Import from date** parameter to cover the history. Now, when you click the **Update data** button of the program toolbar, Streamline calculates the *start date* so that only the last changes of the sales history are imported. It substitutes the **:startdate** parameter of the query by the calculated *date* and executes the query.

[Next: Exporting Data](#)

[Download PDF](#)

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